

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
7 April 2005 (07.04.2005)

PCT

(10) International Publication Number
WO 2005/030802 A2

(51) International Patent Classification⁷: **C07K 14/44**,
C12N 15/30, A61K 39/018, G01N 33/569, C07K 16/20,
C12N 15/10

(74) Agents: AXELROD, Nancy, J. et al.; Venable LLP, P.O.
Box 34385, Washington, DC 20043-9998 (US).

(21) International Application Number:
PCT/US2004/030831

(22) International Filing Date:
21 September 2004 (21.09.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/504,428 22 September 2003 (22.09.2003) US
PCT/US04/022605 14 July 2004 (14.07.2004) US

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicants (*for all designated States except US*): INTERNATIONAL LIVESTOCK RESEARCH INSTITUTE [KE/KE]; P.O. Box 30709, 00100 Nairobi (KE). THE INSTITUTE FOR GENOMIC RESEARCH [US/US]; 9712 Medical Center Drive, Rockville, MD 20850 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): TARACHA, Evans [KE/KE]; Riara Villas, Riara Road, Lavington, Nairobi (KE). GARDNER, Malcolm, J. [US/US]; 10416 Overgate Place, Potomac, MD 20854 (US). NENE, Vishvanath [GB/US]; 11601 Milbern Drive, Potomac, MD 20854 (US).

Published:

— *without international search report and to be republished upon receipt of that report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ANTIGENS FOR AN EAST COAST FEVER VACCINE

(57) Abstract: This invention relates, e.g., to DNA, protein, and peptide compositions and methods for identification of intracellular antigens of pathogens that stimulate animal cytotoxic lymphocytes in an antigen specific manner. Such antigens are prime candidates for the development of vaccines, useful for the prevention of intracellular pathogenic diseases such as East Coast Fever.



WO 2005/030802 A2